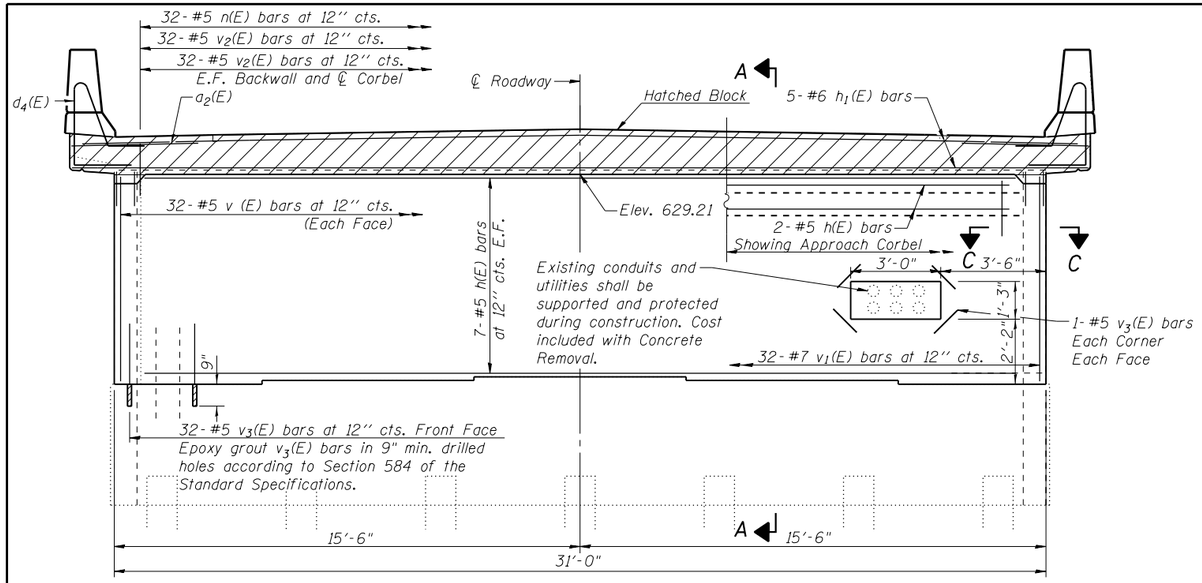
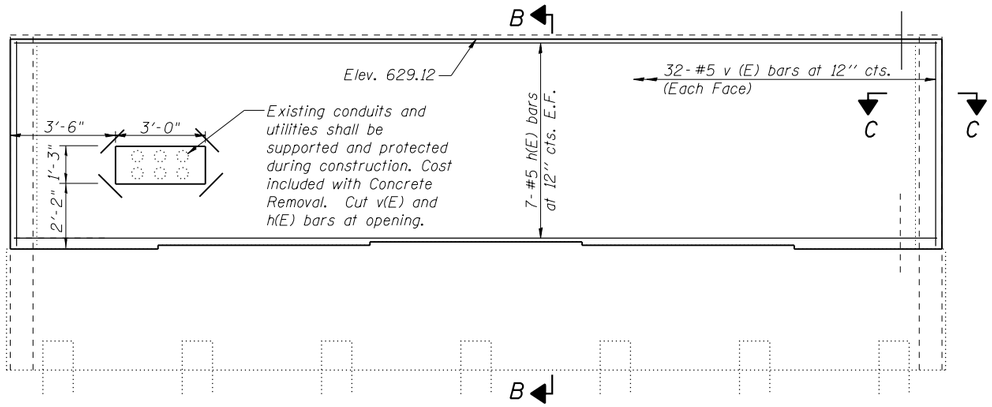


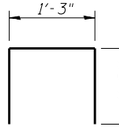
BACKWALL ELEVATION

(S. Abut. Looking South)

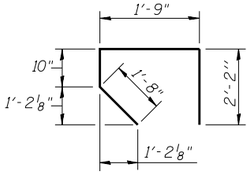


BACKWALL ELEVATION

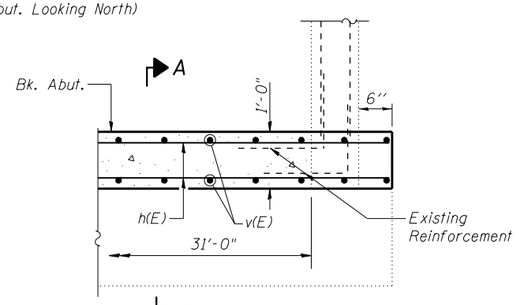
(N. Abut. Looking North)



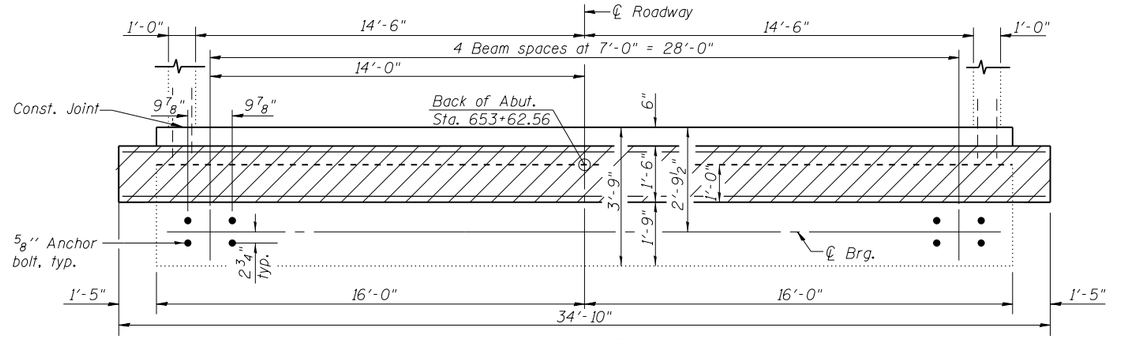
BAR n(E)



BAR v1(E)

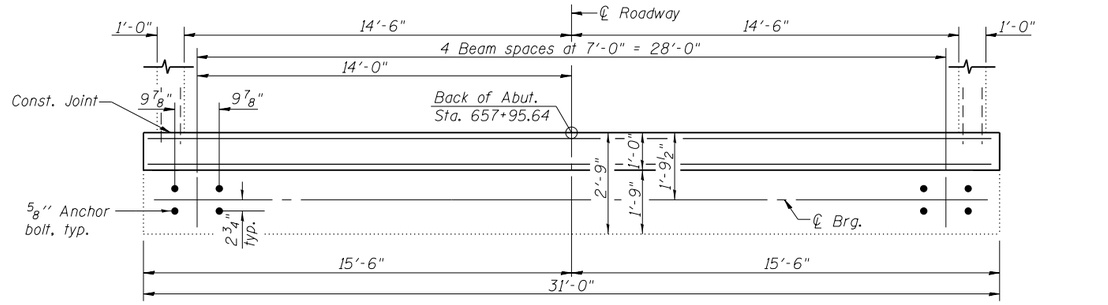


SECTION C-C



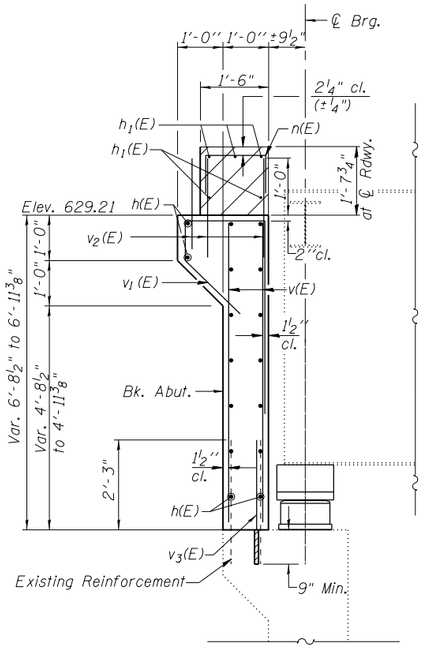
PLAN VIEW

(S. Abut.)



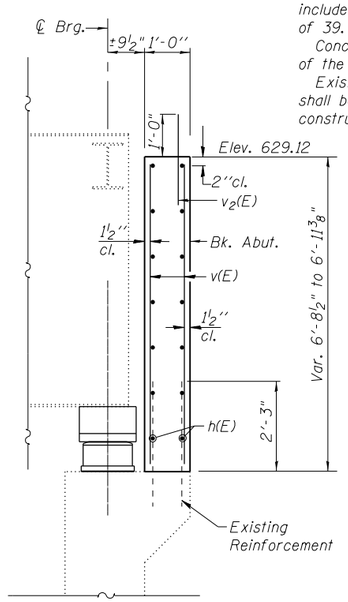
PLAN VIEW

(N. Abut.)



SECTION A-A

(S. Abut.)



SECTION B-B

(N. Abut.)

Notes:

See Sheets 12 and 13 of 39 for details of $a_2(E)$ and $d_4(E)$ bars.

The blockout area represented by hatching shall be poured following the installation of the modular expansion joint.

Quantity of concrete for the hatch block area is included with Concrete Superstructure on Sheet 9 of 39.

Concrete Sealer shall be applied to the front face of the abutment backwall and hatched block.

Existing reinforcement extending into new construction shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

TWO ABUTMENT BACKWALLS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	30	#5	30'-8"	——
$h_1(E)$	5	#6	32'-8"	——
n(E)	32	#5	3'-7"	⊓
v(E)	128	#5	6'-4"	——
$v_1(E)$	32	#7	6'-5"	⌐
$v_2(E)$	128	#5	2'-0"	——
$v_3(E)$	32	#5	2'-8"	——
$v_4(E)$	16	#5	3'-0"	——
Reinforcement Bars, Epoxy Coated			Pound	3,005
Concrete Structures			Cu. Yd.	17.4
Concrete Sealer			Sq. Ft.	520

Note A:
365 lbs (Superstr.)
2,640 lbs (Substr.)

BLANK, WESSELINK, COOK & ASSOCIATES DECATUR, ILLINOIS ENGINEERS - CONSULTANTS DESIGN FIRM NO. 184000894

FILE NAME =	USER NAME =	DESIGNED PBB	REVISED -
		CHECKED MCB	REVISED -
	PLOT SCALE =	DRAWN MLO	REVISED -
	PLOT DATE =	CHECKED PBB/MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT BACKWALL DETAILS
STRUCTURE NO. 058-0049
SHEET NO. 20 OF 39 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
710	(48X-B-2)BR & (48BR)BR	MACON	144	58
		CONTRACT NO. 74438		
		ILLINOIS FED. AID PROJECT		